TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 51 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0142
Vapor Space Volume (cu ft):	576.6262
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0153
Vented Vapor Saturation Factor:	0.9999
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	576.6262
Tank Diameter (ft):	14.0000
Vapor Space Outage (ft):	3.7458
Tank Shell Height (ft):	36.0000
Average Liquid Height (ft):	32.4000
Roof Outage (ft):	0.1458
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1458
Roof Height (ft):	0.4375
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	7.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	654.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	654.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0153
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	654.6700
Daily Min. Liquid Surface Temp. (deg R):	649.6700
Daily Max. Liquid Surface Temp. (deg R):	659.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9999
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	3.7458
Working Losses (lb):	1.3260
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	2,631,374.0000
Annual Turnovers:	57.9580
Turnover Factor:	0.6843
Maximum Liquid Volume (gal):	41,455.4515
Maximum Liquid Height (ft):	36.0000
Tank Diameter (ft):	14.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.3402

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 51 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	1.33	0.01	1.34

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 52
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Emulsion (Water-Based) Storage

Tank Dimensions

Shell Height (ft):	36.00
Diameter (ft):	14.00
Liquid Height (ft) :	36.00
Avg. Liquid Height (ft):	32.40
Volume (gallons):	41,455.45
Turnovers:	57.96
Net Throughput(gal/yr):	2,631,374.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.44
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 52 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	195.00	190.00	200.00	195.00	0.0003	0.0002	0.0004	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 52 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0142
Vapor Space Volume (cu ft):	576.6262
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0153
Vented Vapor Saturation Factor:	0.9999
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	576.6262
Tank Diameter (ft):	14.0000
Vapor Space Outage (ft):	3.7458
Tank Shell Height (ft):	36.0000
Average Liquid Height (ft):	32.4000
Roof Outage (ft):	0.1458
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1458
Roof Height (ft):	0.4375
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	7.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	654.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	654.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0153
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	654.6700
Daily Min. Liquid Surface Temp. (deg R):	649.6700
Daily Max. Liquid Surface Temp. (deg R):	659.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9999
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	3.7458
Working Losses (lb):	1.3260
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	2,631,374.0000
Annual Turnovers:	57.9580
Turnover Factor:	0.6843
Maximum Liquid Volume (gal):	41,455.4515
Maximum Liquid Height (ft):	36.0000
Tank Diameter (ft):	14.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.3402

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 52 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	1.33	0.01	1.34

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 53
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Emulsion (Water-Based) Storage

Tank Dimensions

Shell Height (ft):	36.00
Diameter (ft):	14.00
Liquid Height (ft) :	36.00
Avg. Liquid Height (ft):	32.40
Volume (gallons):	41,455.45
Turnovers:	57.96
Net Throughput(gal/yr):	2,631,374.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.44
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 53 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	195.00	190.00	200.00	195.00	0.0003	0.0002	0.0004	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 53 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0142
Vapor Space Volume (cu ft):	576.6262
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0153
Vented Vapor Saturation Factor:	0.9999
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	576.6262
Tank Diameter (ft):	14.0000
Vapor Space Outage (ft):	3.7458
Tank Shell Height (ft):	36.0000
Average Liquid Height (ft):	32.4000
Roof Outage (ft):	0.1458
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1458
Roof Height (ft):	0.4375
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	7.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	654.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	654.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0153
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	654.6700
Daily Min. Liquid Surface Temp. (deg R):	649.6700
Daily Max. Liquid Surface Temp. (deg R):	659.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9999
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	3.7458
Working Losses (lb):	1.3260
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	2,631,374.0000
Annual Turnovers:	57.9580
Turnover Factor:	0.6843
Maximum Liquid Volume (gal):	41,455.4515
Maximum Liquid Height (ft):	36.0000
Tank Diameter (ft):	14.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.3402

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 53 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	1.33	0.01	1.34

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 54
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Emulsion (Water-Based) Storage

Tank Dimensions

Shell Height (ft):	36.00
Diameter (ft):	14.00
Liquid Height (ft) :	36.00
Avg. Liquid Height (ft):	32.40
Volume (gallons):	41,455.45
Turnovers:	57.96
Net Throughput(gal/yr):	2,631,374.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.44
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 54 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	195.00	190.00	200.00	195.00	0.0003	0.0002	0.0004	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 54 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0142
Vapor Space Volume (cu ft):	576.6262
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0153
Vented Vapor Saturation Factor:	0.9999
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	576.6262
Tank Diameter (ft):	14.0000
Vapor Space Outage (ft):	3.7458
Tank Shell Height (ft):	36.0000
Average Liquid Height (ft):	32.4000
Roof Outage (ft):	0.1458
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1458
Roof Height (ft):	0.4375
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	7.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	654.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	654.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0153
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	654.6700
Daily Min. Liquid Surface Temp. (deg R):	649.6700
Daily Max. Liquid Surface Temp. (deg R):	659.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9999
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	3.7458
Working Losses (lb):	1.3260
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	2,631,374.0000
Annual Turnovers:	57.9580
Turnover Factor:	0.6843
Maximum Liquid Volume (gal):	41,456.4515
Maximum Liquid Height (ft):	36.0000
Tank Diameter (ft):	14.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.3402

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 54 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	1.33	0.01	1.34

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 55
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Emulsion (Water-Based) Storage

Tank Dimensions

Shell Height (ft):	36.00
Diameter (ft):	14.00
Liquid Height (ft) :	36.00
Avg. Liquid Height (ft):	32.40
Volume (gallons):	41,455.45
Turnovers:	57.96
Net Throughput(gal/yr):	2,631,374.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.44
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 55 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	195.00	190.00	200.00	195.00	0.0003	0.0002	0.0004	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 55 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0142
Vapor Space Volume (cu ft):	576.6262
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0153
Vented Vapor Saturation Factor:	0.9999
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	576.6262
Tank Diameter (ft):	14.0000
Vapor Space Outage (ft):	3.7458
Tank Shell Height (ft):	36.0000
Average Liquid Height (ft):	32.4000
Roof Outage (ft):	0.1458
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1458
Roof Height (ft):	0.4375
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	7.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	654.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	654.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0153
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0002
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	654.6700
Daily Min. Liquid Surface Temp. (deg R):	649.6700
Daily Max. Liquid Surface Temp. (deg R):	659.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9999
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	3.7458
Working Losses (lb):	1.3260
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	2,631,374.0000
Annual Turnovers:	57.9580
Turnover Factor:	0.6843
Maximum Liquid Volume (gal):	41,455.4515
Maximum Liquid Height (ft):	36.0000
Tank Diameter (ft):	14.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.3402

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 55 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	1.33	0.01	1.34

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 6
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Cement Storage

Tank Dimensions

Shell Height (ft):	40.00
Diameter (ft):	30.00
Liquid Height (ft) :	40.00
Avg. Liquid Height (ft):	36.00
Volume (gallons):	211,507.41
Turnovers:	10.77
Net Throughput(gal/yr):	2,276,938.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.94
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 6 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	375.00	370.00	380.00	375.00	0.0635	0.0564	0.0713	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 6 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	10.7547
Vapor Space Volume (cu ft):	3,048.3266
Vapor Density (lb/cu ft):	0.0007
Vapor Space Expansion Factor:	0.0132
Vented Vapor Saturation Factor:	0.9857
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	3,048.3266
Tank Diameter (ft):	30.0000
Vapor Space Outage (ft):	4.3125
Tank Shell Height (ft):	40.0000
Average Liquid Height (ft):	36.0000
Roof Outage (ft):	0.3125
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.3125
Roof Height (ft):	0.9375
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	15.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0007
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Daily Avg. Liquid Surface Temp. (deg. R):	834.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	834.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0132
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0149
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0564
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0713
Daily Avg. Liquid Surface Temp. (deg R):	834.6700
Daily Min. Liquid Surface Temp. (deg R):	829.6700
Daily Max. Liquid Surface Temp. (deg R):	839.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9857
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0635
Vapor Space Outage (ft):	4.3125
Working Losses (lb):	361.4078
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Annual Net Throughput (gal/yr.):	2,276,938.0000
Annual Turnovers:	10.7653
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	211,507.4057
Maximum Liquid Height (ft):	40.0000
Tank Diameter (ft):	30.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	372.1625

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 6 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	361.41	10.75	372.16

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 68
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Cracked Heavy Oil Alkyl Amines Storage

Tank Dimensions

Shell Height (ft):		16.00
Diameter (ft):		11.00
Liquid Height (ft) :		16.00
Avg. Liquid Height (ft):		14.40
Volume (gallons):		11,374.40
Turnovers:		1.74
Net Throughput(gal/yr):		19,755.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.34
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 68 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Cracked Heavy Oil Alkyl Amines	All	115.00	110.00	120.00	115.00	0.0200	0.0190	0.0210	125.5466			167.36
1,2,4-Trimethylbenzene						0.1421	0.1215	0.1657	120.1900	0.0085	0.0805	120.19
Benzene						4.5082	4.0391	5.0204	78.1100	0.0000	0.0020	78.11
Diethylene Triamine (DETA)						0.0136	0.0113	0.0163	103.1700	0.1500	0.1361	103.17
Ethylbenzene						0.5877	0.5125	0.6720	106.1700	0.0011	0.0433	106.17
Hexane (-n)						6.8089	6.1399	7.5349	86.1700	0.0000	0.0004	86.17
Toluene						1.5030	1.3288	1.6958	92.1300	0.0003	0.0272	92.13
Unidentified Components						0.0152	0.0132	0.0132	140.5942	0.8377	0.6285	189.78
Xylene (-m)						0.4984	0.4339	0.5708	106.1700	0.0025	0.0819	106.17

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 68 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calculations

Standing Losses (lb):	0.4245
Vapor Space Volume (cu ft):	162.9439
Vapor Density (lb/cu ft):	0.0004
Vapor Space Expansion Factor:	0.0176
Vented Vapor Saturation Factor:	0.9982
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	162.9439
Tank Diameter (ft):	11.0000
Vapor Space Outage (ft):	1.7146
Tank Shell Height (ft):	16.0000
Average Liquid Height (ft):	14.4000
Roof Outage (ft):	0.1146
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1146
Roof Height (ft):	0.3438
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	5.5000
Vapor Density	
Vapor Density (lb/cu ft):	0.0004
Vapor Molecular Weight (lb/lb-mole):	125.5466
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0200
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0176
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0020
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0200
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0190
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0210
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9982
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0200
Vapor Space Outage (ft):	1.7146
Working Losses (lb):	1.1810
Vapor Molecular Weight (lb/lb-mole):	125.5466
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0200
Annual Net Throughput (gal/yr.):	19,755.0000
Annual Turnovers:	1.7368
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	11,374.3983
Maximum Liquid Height (ft):	16.0000
Tank Diameter (ft):	11.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.6055

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 68 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Cracked Heavy Oil Alkyl Amines	1.18	0.42	1.61
Toluene	0.03	0.01	0.04
Diethylene Triamine (DETA)	0.16	0.06	0.22
Ethylbenzene	0.05	0.02	0.07
Xylene (-m)	0.10	0.03	0.13
1,2,4-Trimethylbenzene	0.10	0.03	0.13
Benzene	0.00	0.00	0.00
Hexane (-n)	0.00	0.00	0.00
Unidentified Components	0.74	0.27	1.01

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 69
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Cracked Heavy Oil Alkyl Amines Storage

Tank Dimensions

Shell Height (ft):		16.00
Diameter (ft):		11.00
Liquid Height (ft) :		16.00
Avg. Liquid Height (ft):		14.40
Volume (gallons):		11,374.40
Turnovers:		1.74
Net Throughput(gal/yr):		19,755.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.34
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 69 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Cracked Heavy Oil Alkyl Amines	All	115.00	110.00	120.00	115.00	0.0200	0.0190	0.0210	125.5466			167.36
1,2,4-Trimethylbenzene						0.1421	0.1215	0.1657	120.1900	0.0085	0.0805	120.19
Benzene						4.5082	4.0391	5.0204	78.1100	0.0000	0.0020	78.11
Diethylene Triamine (DETA)						0.0136	0.0113	0.0163	103.1700	0.1500	0.1361	103.17
Ethylbenzene						0.5877	0.5125	0.6720	106.1700	0.0011	0.0433	106.17
Hexane (-n)						6.8089	6.1399	7.5349	86.1700	0.0000	0.0004	86.17
Toluene						1.5030	1.3288	1.6958	92.1300	0.0003	0.0272	92.13
Unidentified Components						0.0152	0.0132	0.0132	140.5942	0.8377	0.6285	189.78
Xylene (-m)						0.4984	0.4339	0.5708	106.1700	0.0025	0.0819	106.17

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 69 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.4245
Vapor Space Volume (cu ft):	162.9439
Vapor Density (lb/cu ft):	0.0004
Vapor Space Expansion Factor:	0.0176
Vented Vapor Saturation Factor:	0.9982
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	162.9439
Tank Diameter (ft):	11.0000
Vapor Space Outage (ft):	1.7146
Tank Shell Height (ft):	16.0000
Average Liquid Height (ft):	14.4000
Roof Outage (ft):	0.1146
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1146
Roof Height (ft):	0.3438
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	5.5000
Vapor Density	
Vapor Density (lb/cu ft):	0.0004
Vapor Molecular Weight (lb/lb-mole):	125.5466
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0200
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0176
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0020
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0200
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0190
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0210
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9982
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0200
Vapor Space Outage (ft):	1.7146
Working Losses (lb):	1.1810
Vapor Molecular Weight (lb/lb-mole):	125.5466
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0200
Annual Net Throughput (gal/yr.):	19,755.0000
Annual Turnovers:	1.7368
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	11,374.3983
Maximum Liquid Height (ft):	16.0000
Tank Diameter (ft):	11.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1.6055

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 69 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Cracked Heavy Oil Alkyl Amines	1.18	0.42	1.61
Toluene	0.03	0.01	0.04
Diethylene Triamine (DETA)	0.16	0.06	0.22
Ethylbenzene	0.05	0.02	0.07
Xylene (-m)	0.10	0.03	0.13
1,2,4-Trimethylbenzene	0.10	0.03	0.13
Benzene	0.00	0.00	0.00
Hexane (-n)	0.00	0.00	0.00
Unidentified Components	0.74	0.27	1.01

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 7
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Cement Storage

Tank Dimensions

Shell Height (ft):	40.00
Diameter (ft):	42.00
Liquid Height (ft) :	40.00
Avg. Liquid Height (ft):	36.00
Volume (gallons):	414,554.52
Turnovers:	5.49
Net Throughput(gal/yr):	2,276,938.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	1.31
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 7 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	325.00	320.00	330.00	325.00	0.0183	0.0160	0.0208	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 7 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	6.6873
Vapor Space Volume (cu ft):	6,147.9005
Vapor Density (lb/cu ft):	0.0002
Vapor Space Expansion Factor:	0.0131
Vented Vapor Saturation Factor:	0.9957
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	6,147.9005
Tank Diameter (ft):	42.0000
Vapor Space Outage (ft):	4.4375
Tank Shell Height (ft):	40.0000
Average Liquid Height (ft):	36.0000
Roof Outage (ft):	0.4375
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.4375
Roof Height (ft):	1.3125
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	21.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0002
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Daily Avg. Liquid Surface Temp. (deg. R):	784.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	784.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0131
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0049
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0160
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0208
Daily Avg. Liquid Surface Temp. (deg R):	784.6700
Daily Min. Liquid Surface Temp. (deg R):	779.6700
Daily Max. Liquid Surface Temp. (deg R):	789.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9957
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Vapor Space Outage (ft):	4.4375
Working Losses (lb):	104.0370
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Annual Net Throughput (gal/yr.):	2,276,938.0000
Annual Turnovers:	5.4925
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	414,554.5153
Maximum Liquid Height (ft):	40.0000
Tank Diameter (ft):	42.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	110.7243

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 7 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	104.04	6.69	110.72

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 74
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Cement Storage

Tank Dimensions

Shell Height (ft):	32.00
Diameter (ft):	34.50
Liquid Height (ft) :	32.00
Avg. Liquid Height (ft):	28.80
Volume (gallons):	223,774.84
Turnovers:	10.18
Net Throughput(gal/yr):	2,276,938.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	1.08
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 74 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	375.00	370.00	380.00	375.00	0.0635	0.0564	0.0713	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 74 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	11.7686
Vapor Space Volume (cu ft):	3,327.3677
Vapor Density (lb/cu ft):	0.0007
Vapor Space Expansion Factor:	0.0132
Vented Vapor Saturation Factor:	0.9882
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	3,327.3677
Tank Diameter (ft):	34.5000
Vapor Space Outage (ft):	3.5594
Tank Shell Height (ft):	32.0000
Average Liquid Height (ft):	28.8000
Roof Outage (ft):	0.3594
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.3594
Roof Height (ft):	1.0781
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	17.2500
Vapor Density	
Vapor Density (lb/cu ft):	0.0007
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Daily Avg. Liquid Surface Temp. (deg. R):	834.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	834.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0132
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0149
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0564
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0713
Daily Avg. Liquid Surface Temp. (deg R):	834.6700
Daily Min. Liquid Surface Temp. (deg R):	829.6700
Daily Max. Liquid Surface Temp. (deg R):	839.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9882
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0635
Vapor Space Outage (ft):	3.5594
Working Losses (lb):	361.4078
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Annual Net Throughput (gal/yr.):	2,276,938.0000
Annual Turnovers:	10.1751
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	223,774.8353
Maximum Liquid Height (ft):	32.0000
Tank Diameter (ft):	34.5000
Working Loss Product Factor:	1.0000
Total Losses (lb):	373.1764

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 74 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	361.41	11.77	373.18

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 75
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Cement Storage

Tank Dimensions

Shell Height (ft):	32.00
Diameter (ft):	34.50
Liquid Height (ft) :	32.00
Avg. Liquid Height (ft):	28.80
Volume (gallons):	223,774.84
Turnovers:	10.18
Net Throughput(gal/yr):	2,276,938.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	1.08
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 75 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	375.00	370.00	380.00	375.00	0.0635	0.0564	0.0713	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 75 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	11.7686
Vapor Space Volume (cu ft):	3,327.3677
Vapor Density (lb/cu ft):	0.0007
Vapor Space Expansion Factor:	0.0132
Vented Vapor Saturation Factor:	0.9882
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	3,327.3677
Tank Diameter (ft):	34.5000
Vapor Space Outage (ft):	3.5594
Tank Shell Height (ft):	32.0000
Average Liquid Height (ft):	28.8000
Roof Outage (ft):	0.3594
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.3594
Roof Height (ft):	1.0781
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	17.2500
Vapor Density	
Vapor Density (lb/cu ft):	0.0007
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Daily Avg. Liquid Surface Temp. (deg. R):	834.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	834.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0132
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0149
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0564
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0713
Daily Avg. Liquid Surface Temp. (deg R):	834.6700
Daily Min. Liquid Surface Temp. (deg R):	829.6700
Daily Max. Liquid Surface Temp. (deg R):	839.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9882
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0635
Vapor Space Outage (ft):	3.5594
Working Losses (lb):	361.4078
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Annual Net Throughput (gal/yr.):	2,276,938.0000
Annual Turnovers:	10.1751
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	223,774.8353
Maximum Liquid Height (ft):	32.0000
Tank Diameter (ft):	34.5000
Working Loss Product Factor:	1.0000
Total Losses (lb):	373.1764

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 75 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	361.41	11.77	373.18

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 8
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Cement Storage

Tank Dimensions

Shell Height (ft):		40.00
Diameter (ft):		42.00
Liquid Height (ft) :		40.00
Avg. Liquid Height (ft):		36.00
Volume (gallons):		414,554.52
Turnovers:		5.49
Net Throughput(gal/yr):		2,276,938.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		1.31
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 8 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	325.00	320.00	330.00	325.00	0.0183	0.0160	0.0208	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 8 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	6.6873
Vapor Space Volume (cu ft):	6,147.9005
Vapor Density (lb/cu ft):	0.0002
Vapor Space Expansion Factor:	0.0131
Vented Vapor Saturation Factor:	0.9957
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	6,147.9005
Tank Diameter (ft):	42.0000
Vapor Space Outage (ft):	4.4375
Tank Shell Height (ft):	40.0000
Average Liquid Height (ft):	36.0000
Roof Outage (ft):	0.4375
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.4375
Roof Height (ft):	1.3125
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	21.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0002
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Daily Avg. Liquid Surface Temp. (deg. R):	784.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	784.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0131
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0049
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0160
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0208
Daily Avg. Liquid Surface Temp. (deg R):	784.6700
Daily Min. Liquid Surface Temp. (deg R):	779.6700
Daily Max. Liquid Surface Temp. (deg R):	789.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9957
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0183
Vapor Space Outage (ft):	4.4375
Working Losses (lb):	104.0370
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0183
Annual Net Throughput (gal/yr.):	2,276,938.0000
Annual Turnovers:	5.4925
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	414,554.5153
Maximum Liquid Height (ft):	40.0000
Tank Diameter (ft):	42.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	110.7243

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 8 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	104.04	6.69	110.72

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank 9
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Asphalt Cement Storage

Tank Dimensions

Shell Height (ft):	24.00
Diameter (ft):	18.00
Liquid Height (ft) :	24.00
Avg. Liquid Height (ft):	21.60
Volume (gallons):	45,685.60
Turnovers:	49.84
Net Throughput(gal/yr):	2,276,938.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.56
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank 9 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Asphalt Cement	All	375.00	370.00	380.00	375.00	0.0635	0.0564	0.0713	105.0000			1,000.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank 9 - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	2.3364
Vapor Space Volume (cu ft):	658.4385
Vapor Density (lb/cu ft):	0.0007
Vapor Space Expansion Factor:	0.0132
Vented Vapor Saturation Factor:	0.9914
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	658.4385
Tank Diameter (ft):	18.0000
Vapor Space Outage (ft):	2.5875
Tank Shell Height (ft):	24.0000
Average Liquid Height (ft):	21.6000
Roof Outage (ft):	0.1875
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1875
Roof Height (ft):	0.5625
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	9.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0007
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Daily Avg. Liquid Surface Temp. (deg. R):	834.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	834.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0132
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0149
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0564
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0713
Daily Avg. Liquid Surface Temp. (deg R):	834.6700
Daily Min. Liquid Surface Temp. (deg R):	829.6700
Daily Max. Liquid Surface Temp. (deg R):	839.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9914
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0635
Vapor Space Outage (ft):	2.5875
Working Losses (lb):	277.7785
Vapor Molecular Weight (lb/lb-mole):	105.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0635
Annual Net Throughput (gal/yr.):	2,276,938.0000
Annual Turnovers:	49.8393
Turnover Factor:	0.7686
Maximum Liquid Volume (gal):	45,685.5996
Maximum Liquid Height (ft):	24.0000
Tank Diameter (ft):	18.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	280.1149

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank 9 - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Asphalt Cement	277.78	2.34	280.11

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank A
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Fatty Acid Derived Amines Storage

Tank Dimensions

Shell Height (ft):		18.00
Diameter (ft):		12.00
Liquid Height (ft) :		18.00
Avg. Liquid Height (ft):		16.20
Volume (gallons):		15,228.53
Turnovers:		4.26
Net Throughput(gal/yr):		64,835.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.38
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank A - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Fatty Acid Derived Amines	All	115.00	110.00	120.00	115.00	0.0086	0.0074	0.0100	300.0000			300.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank A - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.5869
Vapor Space Volume (cu ft):	217.7124
Vapor Density (lb/cu ft):	0.0004
Vapor Space Expansion Factor:	0.0176
Vented Vapor Saturation Factor:	0.9991
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	217.7124
Tank Diameter (ft):	12.0000
Vapor Space Outage (ft):	1.9250
Tank Shell Height (ft):	18.0000
Average Liquid Height (ft):	16.2000
Roof Outage (ft):	0.1250
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1250
Roof Height (ft):	0.3750
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	6.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0004
Vapor Molecular Weight (lb/lb-mole):	300.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0086
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0176
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0025
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0086
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0074
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0100
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9991
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0086
Vapor Space Outage (ft):	1.9250
Working Losses (lb):	3.9973
Vapor Molecular Weight (lb/lb-mole):	300.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0086
Annual Net Throughput (gal/yr.):	64,835.0000
Annual Turnovers:	4.2575
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	15,228.5332
Maximum Liquid Height (ft):	18.0000
Tank Diameter (ft):	12.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	4.5842

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank A - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Fatty Acid Derived Amines	4.00	0.59	4.58

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank B
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Ligninamine Storage

Tank Dimensions

Shell Height (ft):		18.00
Diameter (ft):		12.00
Liquid Height (ft) :		18.00
Avg. Liquid Height (ft):		16.20
Volume (gallons):		15,228.53
Turnovers:		3.37
Net Throughput(gal/yr):		51,296.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.38
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used In Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank B - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Ligninamine	All	115.00	110.00	120.00	115.00	0.0358	0.0290	0.0441	900.0000			900.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank B - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	7.7036
Vapor Space Volume (cu ft):	217.7124
Vapor Density (lb/cu ft):	0.0052
Vapor Space Expansion Factor:	0.0186
Vented Vapor Saturation Factor:	0.9964
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	217.7124
Tank Diameter (ft):	12.0000
Vapor Space Outage (ft):	1.9250
Tank Shell Height (ft):	18.0000
Average Liquid Height (ft):	16.2000
Roof Outage (ft):	0.1250
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1250
Roof Height (ft):	0.3750
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	6.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0052
Vapor Molecular Weight (lb/lb-mole):	900.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0358
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0186
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0151
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0358
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0290
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0441
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9964
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0358
Vapor Space Outage (ft):	1.9250
Working Losses (lb):	39.3805
Vapor Molecular Weight (lb/lb-mole):	900.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0358
Annual Net Throughput (gal/yr.):	51,296.0000
Annual Turnovers:	3.3684
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	15,228.5332
Maximum Liquid Height (ft):	18.0000
Tank Diameter (ft):	12.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	47.0841

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank B - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Ligninamine	39.38	7.70	47.08

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank G
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Lube Oil/Amines/Tall Oil Storage

Tank Dimensions

Shell Height (ft):		18.00
Diameter (ft):		12.00
Liquid Height (ft) :		18.00
Avg. Liquid Height (ft):		16.20
Volume (gallons):		15,228.53
Turnovers:		4.08
Net Throughput(gal/yr):		62,151.00
Is Tank Heated (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone	
Height (ft)		0.38
Slope (ft/ft) (Cone Roof)		0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank G - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Adiponitrile	All	115.00	110.00	120.00	115.00	0.0003	0.0003	0.0004	108.0000			108.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank G - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0077
Vapor Space Volume (cu ft):	217.7124
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0174
Vented Vapor Saturation Factor:	1.0000
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	217.7124
Tank Diameter (ft):	12.0000
Vapor Space Outage (ft):	1.9250
Tank Shell Height (ft):	18.0000
Average Liquid Height (ft):	16.2000
Roof Outage (ft):	0.1250
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1250
Roof Height (ft):	0.3750
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	6.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	108.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0174
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	1.0000
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	1.9250
Working Losses (lb):	0.0507
Vapor Molecular Weight (lb/lb-mole):	108.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	62,151.0000
Annual Turnovers:	4.0812
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	15,228.5332
Maximum Liquid Height (ft):	18.0000
Tank Diameter (ft):	12.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	0.0584

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank G - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Adiponitrile	0.05	0.01	0.06

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank J
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Lube Oil/Amines/Tall Oil Storage

Tank Dimensions

Shell Height (ft):	18.00
Diameter (ft):	12.00
Liquid Height (ft) :	18.00
Avg. Liquid Height (ft):	16.20
Volume (gallons):	15,228.53
Turnovers:	4.08
Net Throughput(gal/yr):	62,151.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.38
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank J - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Adiponitrile	All	115.00	110.00	120.00	115.00	0.0003	0.0003	0.0004	108.0000			108.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank J - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calcaulations

Standing Losses (lb):	0.0077
Vapor Space Volume (cu ft):	217.7124
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0174
Vented Vapor Saturation Factor:	1.0000
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	217.7124
Tank Diameter (ft):	12.0000
Vapor Space Outage (ft):	1.9250
Tank Shell Height (ft):	18.0000
Average Liquid Height (ft):	16.2000
Roof Outage (ft):	0.1250
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1250
Roof Height (ft):	0.3750
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	6.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	108.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0174
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	1.0000
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	1.9250
Working Losses (lb):	0.0507
Vapor Molecular Weight (lb/lb-mole):	108.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	62,151.0000
Annual Turnovers:	4.0812
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	15,228.5332
Maximum Liquid Height (ft):	18.0000
Tank Diameter (ft):	12.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	0.0584

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank J - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Adiponitrile	0.05	0.01	0.06

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	2005 Tank K
City:	Blackfoot
State:	Idaho
Company:	Idaho Asphalt
Type of Tank:	Vertical Fixed Roof Tank
Description:	Lube Oil/Amines/Tall Oil Storage

Tank Dimensions

Shell Height (ft):	18.00
Diameter (ft):	12.00
Liquid Height (ft) :	18.00
Avg. Liquid Height (ft):	16.20
Volume (gallons):	15,228.53
Turnovers:	4.08
Net Throughput(gal/yr):	62,151.00
Is Tank Heated (y/n):	Y

Paint Characteristics

Shell Color/Shade:	Aluminum/Diffuse
Shell Condition	Good
Roof Color/Shade:	Aluminum/Diffuse
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft)	0.38
Slope (ft/ft) (Cone Roof)	0.06

Breather Vent Settings

Vacuum Settings (psig):	0.00
Pressure Settings (psig)	0.00

Meterological Data used in Emissions Calculations: Pocatello, Idaho (Avg Atmospheric Pressure = 12.53 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

2005 Tank K - Vertical Fixed Roof Tank
Blackfoot, Idaho

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight
Adiponitrile	All	115.00	110.00	120.00	115.00	0.0003	0.0003	0.0004	108.0000			108.00

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

2005 Tank K - Vertical Fixed Roof Tank
Blackfoot, Idaho

Annual Emission Calculations

Standing Losses (lb):	0.0077
Vapor Space Volume (cu ft):	217.7124
Vapor Density (lb/cu ft):	0.0000
Vapor Space Expansion Factor:	0.0174
Vented Vapor Saturation Factor:	1.0000
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	217.7124
Tank Diameter (ft):	12.0000
Vapor Space Outage (ft):	1.9250
Tank Shell Height (ft):	18.0000
Average Liquid Height (ft):	16.2000
Roof Outage (ft):	0.1250
Roof Outage (Cone Roof)	
Roof Outage (ft):	0.1250
Roof Height (ft):	0.3750
Roof Slope (ft/ft):	0.0625
Shell Radius (ft):	6.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0000
Vapor Molecular Weight (lb/lb-mole):	108.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Daily Avg. Liquid Surface Temp. (deg. R):	574.6700
Daily Average Ambient Temp. (deg. F):	46.3542
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	574.6700
Tank Paint Solar Absorptance (Shell):	0.6000
Tank Paint Solar Absorptance (Roof):	0.6000
Daily Total Solar Insulation Factor (Btu/sqft day):	1,371.0030
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0174
Daily Vapor Temperature Range (deg. R):	10.0000
Daily Vapor Pressure Range (psia):	0.0001
Breather Vent Press. Setting Range(psia):	0.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0003
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0004
Daily Avg. Liquid Surface Temp. (deg R):	574.6700
Daily Min. Liquid Surface Temp. (deg R):	569.6700
Daily Max. Liquid Surface Temp. (deg R):	579.6700
Daily Ambient Temp. Range (deg. R):	25.8250
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	1.0000
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0003
Vapor Space Outage (ft):	1.9250
Working Losses (lb):	0.0507
Vapor Molecular Weight (lb/lb-mole):	108.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0003
Annual Net Throughput (gal/yr.):	62,151.0000
Annual Turnovers:	4.0812
Turnover Factor:	1.0000
Maximum Liquid Volume (gal):	15,228.5332
Maximum Liquid Height (ft):	18.0000
Tank Diameter (ft):	12.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	0.0584

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

2005 Tank K - Vertical Fixed Roof Tank
Blackfoot, Idaho

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Adiponitrile	0.05	0.01	0.06

TANKS 4.0.9d
Emissions Report - Detail Format
Total Emissions Summaries - All Tanks in Report

Emissions Report for: Annual

Tank Identification			
2005 Tank 10	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 12	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 13	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 14	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 15	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 16	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 17	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 18	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 19	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 20	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 22	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 23	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 2320-1	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 24	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 25	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 26r1	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 27	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 28r1	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 29	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 2r1	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 3	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 320-1	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 35	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 35 - Combined	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 36	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 37	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 38	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho

2005 Tank 4	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 4 - Combined	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 44	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 45	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 46	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 47	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 48	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 49	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 5	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 50	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 51	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 52	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 53	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 54	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 55	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 6	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 68	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 69	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 7	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 74	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 75	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 8	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank 9	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank A	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank B	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank G	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank J	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
2005 Tank K	Idaho Asphalt	Vertical Fixed Roof Tank	Blackfoot, Idaho
Total Emissions for all Tanks:			